BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: *Improvements Roads And Drains and Providing Covering Slabs at Bharatnagar, Varadarajnagar, Vinayaknagar, Singarapura Paradies, Singapura and Surrounding areas in Ward No. 11 (Kuvempunagar) in Vidyaranyapura Sub Division.*

Job Code: 011-20-000122

P Code: P-3726 Zonal Public Works

Estimated Cost: Rs. 30.00 Lakh(s)

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements Roads And Drains and Providing Covering Slabs at Bha[illegible]nagar, Varadarajnagar, Vinayaknagar, Singarapura Paradies, Singapura and Surrounding areas in Ward No. 11 (Kuvempunagar) in Vidyaranyapura Sub Division.**

	011-20-000122	P-3726		Estimate Cost:				3000000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 142 / Item No. 19.1 / PWD SR 2018-19**	Cum							
	Culvert		1	5.50	2.00	1.20	13.20		
	Singapura Paradise 1st Main 1st Cross		2	120.00	0.45	0.45	48.60		
	2nd A Cross		2	60.00	0.45	0.45	24.30		
	2nd B Cross		2	65.00	0.45	0.45	26.33		
	2nd C Cross		2	65.00	0.45	0.45	26.33		
	Berm Cutting								
	Singapura Paradise 1st Main 1st Cross		2	120.00	0.90	0.20	43.20		
	2nd A Cross		2	60.00	0.90	0.20	21.60		
	2nd B Cross		2	65.00	0.90	0.20	23.40		
	2nd C Cross		2	65.00	0.90	0.20	23.40		
	Basic Rate	130.00					**250.35**	243.88	**61055.00**
	Area Weightage @ 6%	7.80							
	Total	**137.80**							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
	Total	**243.88**							
2	Removing and refixing stone slabs of drains and pointing in CM (1:3) **Page No. 27 / Item No. 5.33 PWD SR 2018-19**	Sqm							
	BS Slab Drain								
	Singapura Paradise 1st Main 1st Cross		2	120.00		1.35	324.00		
	2nd A Cross		2	60.00		1.35	162.00		
	2nd B Cross		2	65.00		1.35	175.50		
	2nd C Cross		2	65.00		1.35	175.50		
	Basic Rate	105.00					**837.00**	111.30	**93158.00**
	Area Weightage @ 6%	6.30							
	Total	**111.30**							
3	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete **Page No. 27 / Item No. 5.31.1 PWD SR 2018-19**	Sqm							
	Damaged Slabs & Missing Slabs 15%		Vide Item No. 2				125.55		
	Basic Rate	700.00					**125.55**	742.00	**93158.00**
	Area Weightage @ 6%	42.00							
	Total	**742.00**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
4	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 27 / Item No. 5.26.2, PWD SR 2018-19**	Sqm							
	Singapura Paradise 1st Main 1st Cross		2x2	120.00		0.60	288.00		
	2nd A Cross		2x2	60.00		0.40	96.00		
	2nd B Cross		2x2	65.00		0.40	104.00		
	2nd C Cross		2x2	65.00		0.60	156.00		
	Basic Rate	924.00					**644.00**	979.44	**630759.00**
	Area Weightage @ 6%	55.44							
	Total	**979.44**							
5	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No. 2100 **Item No. 27.18 Page No. 222, PWD SR 2018-19**	cum							
	Culverts		1	5.50	2.00	0.15	1.65		
	Basic Rate	5115.00					**1.65**	5421.90	**8946.00**
	Area Weightage @ 6%	306.90							
	Total	**5421.90**							
6	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6, edges of stones** chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. **Page No. 255, Item No. 34.9, PWD SR 2018-19**	cum							
			2	5.50	0.60	0.90	5.94		
	Basic Rate	5483.00					**5.94**	5811.98	**34523.00**
	Area Weightage @ 6%	328.98							
	Total	**5811.98**							
7	KSRB 15.1.3 Providing **ruled pointing 20 mm deep** to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 115 / Item No. 15.3, PWD SR 2018-19**	Sqm							
			2	5.50		0.90	9.90		
	Basic Rate	142.00					**9.90**	150.52	**1490.00**
	Area Weightage @ 6%	8.52							
	Total	**150.52**							
8	Providing **precast slab of 250mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - (Data rate Approved). **As per PWD SR 2018-19**	Sqm							
			9	1.50	0.60		9.00		
							9.00	5418.00	**48762.00**
9	Providing **precast slab of 100mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - (Data rate Approved). **As per PWD SR 2018-19**	Sqm							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Singapura Paradise 1st Main 1st Cross		2	120.00	0.90		216.00		
	2nd A Cross		2	60.00	0.90		108.00		
	2nd B Cross		2	65.00	0.90		117.00		
	2nd C Cross		2	65.00	0.90		117.00		
							558.00	2337.00	**1304046.00**
10	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page. No. 255 / Item No.34.11 of PWD SR 2018-19**	cum							
	Culvert Coping		1	5.50	1.50	0.10	0.83		
	Ramp		2x1	5.50	1.00	0.15	1.65		
	Vent Concrete								
	Singapura Paradise 1st Main 1st Cross		2	98.00	0.45	0.10	8.82		
	2nd A Cross		2	60.00	0.45	0.10	5.40		
	2nd B Cross		2	65.00	0.45	0.10	5.85		
	2nd C Cross		2	65.00	0.45	0.10	5.85		
	Coping								
	Singapura Paradise 1st Main 1st Cross		2x2	120.00	0.20	0.10	9.60		
	2nd A Cross		2x2	60.00	0.20	0.10	4.80		
	2nd B Cross		2x2	65.00	0.20	0.10	5.20		
	2nd C Cross		2x2	65.00	0.20	0.10	5.20		
	Ramp								
	Singapura Paradise 1st Main 1st Cross		2	120.00	0.30	0.10	7.20		
	2nd A Cross		2	60.00	0.30	0.10	3.60		
	2nd B Cross		2	65.00	0.30	0.10	3.90		
	2nd C Cross		2	65.00	0.30	0.10	3.90		
	Basic Rate	5283.00					**71.80**	5599.98	**402051.00**
	Area Weightage @ 6%	316.98							
	Total	**5599.98**							
	Sub Total								**2677948.00**
	GST @ 12%								**321354.00**
	Miscellaneous and other Charges	L/S							**698.00**
								Total	**3000000.00**
	Rupees Thirty Lakh(s) Only								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2018-19.
3 This work included under 2019-20 POW Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Approval
Accorded For RS 30 w laccheng
Head of A/C. P 3726
CER NO : 154 Dt: 20.03.2020

Technical Sanction
Accorded For RS 30 w laccheng
Head of A/C. P 3726
CER NO : 327 Dt: 20-03-2020

TA CE (YNK)

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Name of Work: Improvements Roads and Drains and Providing Covering Slabs at Bharatnagar, Varadarajnagar, Vinayaknagar, Singarapura Paradies, Singapura and Surrounding areas in Ward No. 11 (Kuvempunagar) in Vidyaranyapura Sub Division.

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division